

May 4, 2001

Mr. George Bradley, Jr.
Indiana Harbor Coke Company
3210 Watling Street MC 2-990
East Chicago, IN 46312

Re: A 089-13665
Amendment to CP 089-9236,
Plt ID 089-00316

Dear Mr. Bradley:

Indiana Harbor Coke Company (IHCC) was issued a permit on February 26, 1998 for a heat recovery coke plant. A letter requesting a change in the description the coke oven charging/pushing units was received on January 4, 2001. The description of equipment in items (j) in CP 089-9236-00316 shall be amended as follows:

- (j) four (4) coke oven charging/pushing units, identified as ES202, ES202B and ES203 and ES203D, each having a maximum capacity of 2794.5 tons of dry coal per day for charging and 2013.7 tons of coke per day for pushing. ES202 and ES202B shall be used interchangeably with respect to "A" and "B" batteries, provided that any time only one of these units shall be in use. ES203 and ES203D shall be used interchangeably with respect to "C" and "D" batteries, provided that any time only one of these units shall be in use. During charging each unit has emissions captured by a hood and controlled by one (1) baghouse, each exhausting through one (1) stack, and each identified as 202, 202B and 203 and 203D, respectively. During pushing all units have emissions captured in a shed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 204.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment with the original permit.

Sincerely,

Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

tlf

cc: File - Lake County
Lake County Health Department
Air Compliance Section Inspector -Rick Massoels
Northwest Regional Office
Permit Administration & Development Section - Janet Mobley
Technical Support & Modeling-Michele Boner
Compliance Data Section-Karen Nowak
Part 70 Application File - T-089-6577-00316

Indiana Department of Environmental Management (IDEM) Office of Air Management

Technical Support Document (TSD) for Amendment to Construction Permit

Source Background and Description

Source Name: Indiana Harbor Coke Company
Source Location: 3210 Watling Street, East Chicago, Indiana 46312
County: Lake
Amendment No.: A 089-13665
Amended Permit No.: CP 089-9236
SIC Code: 3312
Permit Reviewer: Teresa Freeman

The Office of Air Management (OAM) has reviewed an amendment request from Indiana Harbor Coke Company (IHCC) relating to a clarification of updates to facility descriptions, specifically as follows with strikeout and bolded language to emphasize the change:

- (j) ~~two (2)~~ four (4) coke oven charging/pushing units, identified as ES202, **ES202B** and ES203 **and ES203D**, each having a maximum capacity of 2794.5 tons of dry coal per day for charging and 2013.7 tons of coke per day for pushing. **ES202 and ES202B shall be used interchangeably with respect to "A" and "B" batteries, provided that any time only one of these units shall be in use. ES203 and ES203D shall be used interchangeably with respect to "C" and "D" batteries, provided that any time only one of these units shall be in use.** ~~In addition, two (2) backup charging/pushing units will be used as backup only.~~ During charging each unit has emissions captured by a hood and controlled by one (1) baghouse, each exhausting through one (1) stack, **and each** identified as 202, **202B** and 203 **and 203D**, respectively. During pushing ~~both~~ **all** units have emissions captured in a shed and controlled by one (1) baghouse, exhausting through one (1) stack, identified as 204.

This amendment does not involve construction of any new units. It is simply clarification of the description and operation of the permitted units.

History and Background

Inland Steel Company was issued a permit on December 31, 1996 for construction and operation of four nonrecovery coke batteries and associated facilities, which Inland termed a heat recovery coal carbonization (HRCC) facility. On February 26, 1998, IDEM, OAQ issued amendments to the original permit to split the facilities between the three (3) partners (Inland Steel, IHCC and Cokenergy) that were involved in the project, in addition to some minor changes in the coal and coke handling facilities. On October 28, 1999, IDEM, OAQ issued an amendment (A089-11015) to the original permit to clarify stack testing requirements for the stacks serving the pushing operation as well as the screening and crushing operation, and updates to facility descriptions. On December 16, 1999, IDEM, OAQ issued an amendment (A089-11485) to the original permit to amend lead limitations.

Recommendation

The staff recommends to the Commissioner that the amendment be approved. This recommendation is based on the following facts and conditions:

Information, unless otherwise stated, used in this review was derived from the amendment request, affidavit of construction, and additional information submitted by the applicant.

An amendment request for the purposes of this review was received on January 4, 2001.

An administratively complete Part 70 permit application was received on September 1, 1999.

Conclusion

The clarification of the coke oven charging/pushing units description and operation will be subject to the conditions of the attached Amendment No. A-089-13665-00382.